19970804.qrp v00_n808.qrs.970804

>From ???@??? Tue Aug 05 01:53:01 1997
Date: Mon, 4 Aug 1997 19:03:19 EDT
Subject: QRP-L digest 808
Message-Id: <97Aug4.191354edt.35491-51692+154@fidoii.cc.Lehigh.EDU>

QRP-L Digest 808

Topics covered in this issue include:

  1) [24262] Adding internal speaker
     by "Rick LaBanca" <rickl@loa.com>
  2) [24263] Re: Adding internal speaker
     by Ed Tanton <n4xy@bellsouth.net>
  3) [24264] 17m QRP calling freq? Best time of day?
     by "Jeff Casey" <WB5GWB@sprynet.com>
  4) [24265] Argo 509 improvements
     by Pat Byers <capp@web.net>
  5) [24266] 10-10 club?
     by David Smith <qrpdave@ocsnet.net>
  6) [24267] Heathkit Model ????
     by David Smith <qrpdave@ocsnet.net>
  7) [24268] Re: QRP-L digest 807
     by urolab@ix.netcom.com
  8) [24269] 10M handheld
     by "Gailen D. Marshall, Jr. MD PhD" <marshall@heart.med.uth.tmc.edu>
  9) [24270] QRP(p) via ALC
     by "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
 10) [24271] DX Spot Site has QRP Category too!
     by Joe Gervais <vole@primenet.com>
 11) [24272] ARCI Summer Daze SSB
     by AlK0FRP@aol.com
 12) [24273] re: 10 - 10 Club
     by ko7i@juno.com (Donald H Jones)
 13) [24274] Re: 10-10 club?
     by "Paul R. Valko" <prvalko@Oakland.edu>
 14) [24275] Re: 10-10 Club
     by Roger Hightower <n7kt@dancris.com>
 15) [24276] Glowbugs list addr ??
     by "KA5T Larry Wise" <lewise@inetport.com>
 16) [24277] Albuquerque (Duke City) Hamfest
     by Chris Trask <ctrask@primenet.com>
 17) [24278] Re: 10-X
     by wb2vuo@juno.com (William K Hibbert)
 18) [24279] upgrade
     by kd4kzq@juno.com
 19) [24280] SSB Sprint

    by "Ralph L. Irons" <rli8m@weyl.math.virginia.edu>
20) [24281] Re: Glowbugs list addr ??
    by "KA5T Larry Wise" <lewise@inetport.com>
21) [24282] Windom antennas???
    by maprath@prairienet.org (Mark A. Prather)
22) [24283] If 10-10 was QRT, no loss
    by MNHopkins@aol.com
23) [24284] Re: Junk Mail
    by Raventhorne <jelder@ix.netcom.com>
24) [24285] Re: advice - please, enough
    by Raventhorne <jelder@ix.netcom.com>
25) [24286] More steel rails
    by maccary@on-ramp.ior.com
26) [24287] Re: 10 Meters is Open
    by Raventhorne <jelder@ix.netcom.com>
27) [24288] Re: surprise!
    by "Matt Wright, AE4JM" <cnw@HiWAAY.net>
28) [24289] Bumble bee from Or Mts.
    by talljazz@teleport.com (Dan Presley)
29) [24290] Re: SST Mods
    by Jim_Cadorett@3com.com
30) [24291] Re: 10-10 club?
    by kt3a@juno.com
31) [24292] THANKS FER ANTENNA HELP
    by ARDUJENSKI@aol.com
32) [24293] Glowbugs list addr
    by "KA5T Larry Wise" <lewise@inetport.com>
33) [24294] LIGHTWEIGHT TOWER
    by ARDUJENSKI@aol.com
34) [24295] 10-10, ok,thats it!
    by "ukii" <ukii@megsinet.net>
35) [24296] RE: 10-10 club?
    by "James C. Owen, III" <owen@piper.eeel.nist.gov>
36) [24297] Re: Heathkit Model ????
    by "Donald R. Allen" <drallen@prairienet.org>
37) [24298] Re: QRP(p) via ALC
    by Vincent Ferme <an327@freenet.toronto.on.ca>
38) [24299] 10 meters? Let's use CW!
    by Vic Rosenthal <rakefet@rakefet.com>
39) [24300] 10-10 International info
    by "James C. Owen, III" <owen@piper.eeel.nist.gov>
40) [24301] portable paddles/keyer
    by "Jeff M. Gold" <jmg@tntech.edu>
41) [24302] Re: Glowbugs list addr
    by "Claton Cadmus" <aplitech@spacestar.net>
42) [24303] Re: More steel rails
    by Steven Weber <kd1jv@moose.ncia.net>
43) [24304] PZ1DG

    by Peter Barville <peter@barville.demon.co.uk>
 44) [24305] Xfilter in C or Pascal?
    by Paul Erickson <paul1@wizard.ucs.sfu.ca>
 45) [24306] Yuasa Gell-Cells...Advice please.
    by G4YND@aol.com
 46) [24307] Railroad info
    by "Thomas J. Whalen" <whalen@swcp.com>
 47) [24308] Re: More steel rails
    by laura halliday <ve7ldh@direct.ca>
 48) [24309] Post Office Limits pkgs/visit to 4
    by Ed Tanton <n4xy@bellsouth.net>
 49) [24310] Info on Drake List???
    by Steve Galchutt <n0tu@webaccess.net>
 50) [24311] Re: 1000 Miles/watt awards
    by Ed Loranger <we6w@qsl.net>
 51) [24312] FL Trip
    by kd4kzq@juno.com (Jim A Norsworthy)
 52) [24313] 5/8" HOLE PUNCH
    by ARDUJENSKI@aol.com

Date: Sun, 3 Aug 1997 18:10:22 -0400
From: "Rick LaBanca" <rickl@loa.com>
To: "Qrp List" <qrp-l@Lehigh.EDU>
Subject: [24262] Adding internal speaker
Message-ID: <199708032305.TAA63078@nss2.CC.Lehigh.EDU>
MIME-Version: 1.0
Content-Type: text/plain;
    charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

 Most of the qrp kits take phones, but some can drive a speaker. I was looking at the emtech, which can drive a speaker.

However, I have a radiokit where I tried to put a speaker in the box. But screws up my tuning! I am guessing this is a general problem. If so, how do you get a speaker in the enclosure without affecting the tuning?

Rick KA1EZE

Date: Sun, 03 Aug 1997 19:13:21 -0400

From: Ed Tanton <n4xy@bellsouth.net>
To: rickl@loa.com
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [24263] Re: Adding internal speaker
Message-ID: <3.0.1.32.19970803191321.00a32b20@mail.atl.bellsouth.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

You put a large piece of grounded ferrous-based metal (e.g. sheet of
steel/etc.) between the spkr and the tuning.

At 06:10 PM 8/3/97 -0400, Rick LaBanca wrote:
> Most of the qrp kits take phones, but some can drive a speaker. I was
>looking at the emtech, which can drive a speaker.
>
>However, I have a radiokit where I tried to put a speaker in the box. But
>screws up my tuning! I am guessing this is a general problem. If so, how do
>you get a speaker in the enclosure without affecting the tuning?
>
>Rick KA1EZE
>
>
>
>
>
>
72/73

____
Ed Tanton   N4XY   EMAIL: n4xy@bellsouth.net
189 Pioneer Trail
Marietta, GA 30068-3466   TEL: (770)579-3933 V/MBX/FAX
____
QRP-ARCI #7663   G-QRP #6779   OK-QRP #172   QRP-L #758
AdvRC #140   NORCAL #1779   NCDXF   SEDXC

Life Member: ARRL   AMSAT   INDEXA   QCWA
____

INTERESTS: DX   QRP   BoatAnchors Test Equipment Photography
CW: 99.9%   QRP: 95-100% (Mood swings!)   Mercury Paddle #0214
~~~~~~
"Think you can, think you can't: either way you're right!"   Henry Ford
~~~~~~

Date: Sun, 3 Aug 1997 19:16:43 +0000

From: "Jeff Casey" <WB5GWB@sprynet.com>
To: QRP-L@lehigh.edu
Subject: [24264] 17m QRP calling freq? Best time of day?
Message-ID: <199708032317.QAA29162@m7.sprynet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

What is the standard QRP CW calling freq on 17m? The ARRL book "Your QRP Operating Companion" lists QRP calling freqs for every HF band except 17m.

Also, considering both propagation and activity (or lack of activity :-(what is the best time of day to try 17m from the Northeastern U.S?

Thanks & 72,
Jeff, WB5GWB, Long Island, NY

Date: Sun, 03 Aug 1997 17:29:52 -0600
From: Pat Byers <capp@web.net>
To: QRP List <qrp-l@Lehigh.EDU>
Subject: [24265] Argo 509 improvements
Message-ID: <3.0.3.32.19970803172952.007ca6a0@pop.web.net>
Mime-Version: 1.0
Content-Type: text/enriched; charset="us-ascii"

Hello to the Argo experts out there.

I'm in the midst of doing some mods to my Argo 509 and have a few

questions that someone on the list might be able to answer.

In an effort to improve the receiver performance I called Ten Tec to

see if they had any suggestions. One was to replace the rx front end and

mixer MOSFETs with newer devices with better characteristics. Seemed

like a good plan to me so I scoured my junk box and found a couple of

40673's. I recall putting one of these in my HW-8 quite a few years ago and it made a dramatic difference on 20m and 15m.

Replacing the mixer MOSFET to a 40673 was easy and, to my ears, made a slight improvement to the sensitivity. On the other hand, it could be just wishful thinking! In any event, it didn't seem to hurt. Changing the preamp MOSFET, however, is a bit more of a challenge because of the position of the front end board in the 509. I'm not sure I want to go there so I'd like to know if anyone out there has done this and if it's worth the effort.

While looking at the schematic of the mixer, I wondered why Ten Tec chose to use a MOSFET as a mixer instead of a MC 1496 doubly balanced mixer as they did for the tx mixer on the same board. It doesn't look like much of a chore to use a more modern mixer such as a 1496 or a Plessey 6440 here. I have some of these so I might try it. There appears
to be enough room to mount the components on a small board positioned above the mixer board. Again, has anyone out there done this and did it work well?

I realize this is a 20 year old design so I can't expect its performance to match that of newer rigs but I intend to have fun trying to make it better. Also on my agenda are the excellent mods by Larry East (W1HUE/7) which are posted on the QRP-L web site, replacement of the 4-pole crystal filter to improve both rx and tx selectivity, and

reduction of the noise level in the rx audio chain. Any other

suggestions out there?

Please reply to me directly.

Pat Byers, VE6AAN

capp@web.net

Date: Sun, 03 Aug 1997 18:00:57 -0700
From: David Smith <qrpdave@ocsnet.net>
To: QRP-L@Lehigh.EDU
Subject: [24266] 10-10 club?
Message-ID: <B0001248302@ntserv1.ocsnet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Dear friends--
Frankly, I don't like having to write this posting, but I have had three guys in a row on 10 Meters ask me if I was a member of the 10-10 club. When I said "no," they refused to talk to me any further. What is the 10-10 club and how does one join? I asked each of the three contacts and they did not come back. Are they to be likened to an outlaw biker group? Thus far I have to say that I have not been impressed with the "10-10ers" I have met. I can get that sort of treatment on 11 Meters. I hope that someone can correct what is, I hope, an erronious opinion of this group. I don't want to cast aspursions on anyone, but have no other way of finding out about this group. Thank you for hopefully setting me straight.
QRPDave@ocsnet.net

Date: Sun, 03 Aug 1997 18:12:59 -0700
From: David Smith <qrpdave@ocsnet.net>
To: QRP-L@lehigh.edu
Subject: [24267] Heathkit Model ????
Message-ID: <B0001248319@ntserv1.ocsnet.net>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Dear friends-
        I heard that late in Heathkit's amateur radio existence, they put out a completely transistorized transceiver. I met a guy who has one and he loves it. This is not strictly QRP, but I tho't I'd check and see if anyone knew of it. I think the model was 5400 and it was an all-band transceiver. Does anyone have a clue as to the proper model number? I'd sure appreciate it. Thanks, guys, I knew you'd come through in apple pie fashion.
QRPDave@ocsnet.net

Date: Sun, 3 Aug 1997 20:19:18 -0500 (CDT)
From: urolab@ix.netcom.com
To: qrp-l@Lehigh.EDU
Subject: [24268] Re: QRP-L digest 807
Message-ID: <19978221183171147 8@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I too now appreciate(actually I always did) the efficiency of cw. And I too almost a contact with
K0FRP. Noise levels were high on both ends...and the qro'ers were giving no slack yielding much
qrm, but he was a good 57 in Miami, FL...a really nice sounding sig, but he never quite got me in
useing my FT-900 at 8 w.pep out to a gnd mounted verticle.

   Fun though...any fool can work the world with 100w(and a yagi?).

    WB4DTC Dave

Date: Sun, 03 Aug 1997 20:25:44 -0500
From: "Gailen D. Marshall, Jr. MD PhD" <marshall@heart.med.uth.tmc.edu>
To: qrp-l@Lehigh.EDU
Subject: [24269] 10M handheld
Message-ID: <33E52F98.44F0@heart.med.uth.tmc.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

I have been told that AEA once made a 10M and 15M handheld QRP rig. I would love to learn more about it and find out if one is for sale anywhere.

72/73

N4SKR

Date: Mon, 04 Aug 1997 01:31:24 -0400
From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
To: qrp-l@lehigh.edu
Subject: [24270] QRP(p) via ALC
Message-ID: <3.0.16.19970804012314.26cf5dfe@som-uky.campus.mci.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Last week I operated my Icom 751 in the 50/40/30 event. I used a bench supply to feed a small amount of negative voltage into the rig's ALC jack, and it worked fine. I was able to lower the rig's output to 4 watts.

Some time back, there was an article in SPRAT, QRPp, or QQ that described a self contained battery powered jobby-do that did the same thing... a couple resistors, a pot, and a 1.5v battery.

Could someone tell me what magazine/issue # I saw that in? Would save me a *lot* of time.

Thanks...Rich

Date: Sun, 3 Aug 1997 18:42:07 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-l@Lehigh.EDU
Subject: [24271] DX Spot Site has QRP Category too!
Message-ID: <199708040142.SAA02193@usr07.primenet.com>

Howdy Folks,

Hope your weekend was full of QSO's and free of phone solicitors.

Just ran across the OH2BUA Webcluster (a great DX spot site at
<http://www.clinet.fi/~jukka/webcluster.html>) and noticed they
even have a special selection for checking QRP DX spots. Handy!
I think I like this OH2BUA critter. :)

Also has latest DX spots based on other modes (digital, IOTA, etc)
and by band, of course.

And as a teaser for those who were on 10m recently, check out
this entry (first call is reporting ham, second call is the DX)

"WD4NGB   28495.0   I5KAP   qrp , 5 watts   2117 02 Aug"

Anyway, figured it might be of interest to many of you. If not,
send it to the bit bucket. :)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"Veni Vertical Vamos - I came, I radiated, I left". -AB7TT

Date: Sun, 3 Aug 1997 22:14:08 -0400 (EDT)
From: AlK0FRP@aol.com
To: QRP-L@Lehigh.EDU
Subject: [24272] ARCI Summer Daze SSB
Message-ID: <970803221407_1017400205@emout02.mail.aol.com>

Results K0FRP Colorado
Well low activity because I worked 22 SPC's. Signals were weak but readable.

operated only 1 hr 20 min 20m only.

30 q's 91 QSO pts 11 ARCI numbers 22 SPC's
5 watts Did not go to 10 watts as per rules for a 7 multiplier.

14,014 pts

Al K0FRP

Date: Sun, 03 Aug 1997 22:26:45 EDT
From: ko7i@juno.com (Donald H Jones)

To: qrp-l@Lehigh.EDU
Subject: [24273] re: 10 - 10 Club
Message-ID: <19970803.192341.2647.0.ko7i@juno.com>

David Smith wrote:

Dear friends--
Frankly, I don't like having to write this posting, but I have had three guys in a row on 10 Meters ask me if I was a member of the 10-10 club. When I said "no," they refused to talk to me any further. What is the 10-10 club and how does one join? I asked each of the three contacts and they did not come back. Are they to be likened to an outlaw biker group? Thus far I have to say that I have not been impressed with the "10-10ers" I have met. I can get that sort of treatment on 11 Meters. I hope that someone can correct what is, I hope, an erronious opinion of this group. I don't want to cast aspursions on anyone, but have no other way of finding out about this group. Thank you for hopefully setting me straight.
QRPDave@ocsnet.net

David (and Group),

First, The 10 - 10 club was started back in the mid 70's or so, It was at a time when the CB radio craze swept across the U.S. CB'ers were demanding more spectrum and had eyes of envey upon the 28Mhz band which was largely unused at that time. This time also coinsided with a minimus in the sun spot cycle much like we are currently experiencing, so activety by Hams was low on 28Mhz.

Amateur radio's response was "use it or loose it." Watch dog groups formed to put the "run" on illegal bootleggers, and in those days the FCC actually responded to radio amateur complaints. The most "enduring" activity group to be formed was the 10 - 10 Club. They feature a bunch of operating awards, ie "Worked All States" and etc. Each member registers and receives a 10 - 10 number.

As far as for the LIDS now operating on our SSB allocations, all I can say is it is a "sign of the times." Unfortunately LIDS have moved in throughout our bands. It kind of reminds me of the "road rage" mentality. One of our QRP-L members on the E. Coast sent just posted a note today about the sad "going's on's" during todays QRP SSB QSO party / contest on 20 SSB. It is sad that we can not turn our kids loose in our shacks to tune the ham bands, no telling what lude thing they will come across now days.

I encourage you not to get frusterated and voice your "first thoughts" over the air as many are indeed doing. I feel we can rise to a higher standard, by shrugging it off the trash and keeping our chins up.

72 es Hang in there!

Don Jones
ko7i@juno.com

Date: Sun, 3 Aug 1997 22:38:35 -0400 (EDT)
From: "Paul R. Valko" <prvalko@Oakland.edu>
To: David Smith <qrpdave@ocsnet.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [24274] Re: 10-10 club?
Message-ID: <Pine.OSF.3.95.970803222528.6619A-100000@vela.acs.oakland.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 3 Aug 1997, David Smith wrote:

> Frankly, I don't like having to write this posting, but I have had
> three guys in a row on 10 Meters ask me if I was a member of the 10-10 club.
> When I said "no," they refused to talk to me any further.

Sounds familiar...

> Thus far I have to say that I have not been impressed with the
> "10-10ers" I have met. I can get that sort of treatment on 11 Meters.

Saddly, my experience with 10-10 members has been identical. I have twice
been told in no uncertain terms to get off the band because I was not a
member and those few bad apples spoiled that band for me. 10M is my LEAST
favorite band because of those experiences. I've talked with friends that
have had similiar run-ins with these guys and we joke that they must all
be ex-CBers and they can't seem to get too far away from 27MHz.

Now, I know there are tenten members in QRP-L, but before you light up the
flame thrower, how about writing to your local chapter or the HQ and tell
your fellow 10-10ers to lighten up a bit.

Until then, just give 'em the serial number off your rig or tell them how
much money you have in your pocket and that seems to appease them.

73 =paul= w8kc

Date: Sun, 03 Aug 1997 19:57:27 -0700
From: Roger Hightower <n7kt@dancris.com>
To: qrp-l@Lehigh.EDU
Subject: [24275] Re: 10-10 Club
Message-ID: <33E54517.1155@dancris.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

This was the weekend of the Summer Ten-Ten SSB Contest. What you
thought may have been the start of a QSO was a contest exchange for
them...they weren't dumping on you, just moving on to more contacts.
--
72/73 de Roger N7KT   n7kt@dancris.com   Mesa, AZ   Grid DM43cj
NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383
AK-QRP 167

Date: Mon, 04 Aug 97 03:05:13
From: "KA5T Larry Wise" <lewise@inetport.com>
To: "qrp" <qrp-l@Lehigh.EDU>
Subject: [24276] Glowbugs list addr ??
Message-ID: <199708040259.VAA13469@admin.inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Can someone give me the subscribe address for this list??

I seem to have lost contact and can't figure out why...

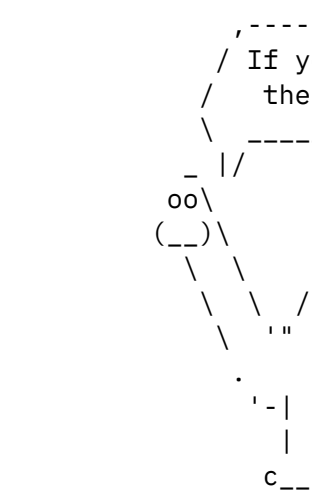
Thanks

Larry   KA5T   lewise@inetport.com   Georgetown, Texas

Date: Sun, 3 Aug 1997 20:18:56 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [24277] Albuquerque (Duke City) Hamfest

Message-ID: <Pine.BSI.3.96.970803201722.16768C-100000@usr04.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Is anyone from the Phoenix area going to the Albuquerque Hamfest on 23-24 August??



Circuit Design for the
RF Impaired

Chris Trask / N7ZWY
Principal Engineer
ATG Design Services
P.O. Box 25240
Tempe, Arizona 85285-5240

Technical Editor,
QRP Quarterly
QRP ARCI 9464

Email: ctrask@primenet.com

Graphics by Loek Frederiks

Date: Sun, 03 Aug 1997 23:21:27 EDT
From: wb2vuo@juno.com (William K Hibbert)
To: qrp-l@Lehigh.EDU
Subject: [24278] Re: 10-X
Message-ID: <19970803.231957.2063.2.wb2vuo@juno.com>

It is actually 10-X rather than 10-10. And it's been around longer than I have been on the bands.

>From what I was told, back when I got on 10 Meters for the first time, 10-X was started up to try to keep the activity up on the 10 Meter band when it went "dead" from low sunspots. The idea was to start up local nets, and keep the activity up with these nets.

In 1966, there were over 2000 10-X numbers out there, now it is over 70,000. As with any large organization, ther are the good and the bad members, and all the colors and tints in between. During the several annual 10-X contests, a non-member will get stomped on or worse. It is

the old "See Stranger, Hate Stranger" syndrome.

Except for the level of intensity, it is similar to the Code/No-Code discussions except you are more likely to be "diss'ed" and "cuss'ed" when you stumble into a 10-X event as on of the "Gee, I don't have a number"-gang.

I tend to call them, tell them I have been active on 10 Meters WITHOUT a 10-X "number" for 30+ years, run a beacon on the band for EVERYONE to use, 10-X or not and ignore the grumbles (or worse). Every once & awhile, I even get a new word or 3 for my vocabulary list...

And, with that, I will hop off of the Soapbox and say...

72/73, Keith, WB2VUO, QRP-L #582, scQRP 40, 100% QRP
Tech Specialist (ARRL/WNY), ARRL Life Member,

Trustee, NQ2RP/B 10 Mtr QRP Beacon (QRP @ 28.287 MHz)
^^^

Date: Sun, 3 Aug 1997 23:43:57 -0400 (EDT)
From: "Ralph L. Irons" <rli8m@weyl.math.virginia.edu>
To: qrp-l@lehigh.edu
Subject: [24280] SSB Sprint
Message-ID: <Pine.A32.3.93.970803232705.21426A-100000@weyl.math.Virginia.EDU>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Friends from Montana rolled into town today, so I only had time to
fire up the Centennial briefly to check propagation on 80m. I jumped
into a qso between W3BEZ and WA3GIN, and they graciously agreed to
give me contest exchanges. Chuck, W3BEZ, was running 650 W in Delaware,
and Dave, WA3GIN, was running 100 W in Virginia. I got S7 and S6 reports
from these gentlemen, and they then reduced power to get reports from me.
Chuck reduced power until his meter told him his output was zero, and he
was still Q5 copy here in Charlottesville. Dave QRPed to 2 1/2 W and
remained solid copy. We had a good qso, and when I left, Chuck was still
running barefoot.

72, Ralph N7RI
Charlottesville VA

Date: Mon, 04 Aug 97 03:44:14
From: "KA5T Larry Wise" <lewise@inetport.com>
To: "Claton Cadmus" <aplitech@spacestar.net>, "qrp" <qrp-l@lehigh.edu>
Subject: [24281] Re: Glowbugs list addr ??
Message-ID: <199708040338.WAA15174@admin.inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Thanks for the info...

Larry KA5T lewise@inetport.com Georgetown, Texas

Date: Sun, 3 Aug 1997 22:46:55 -0500 (CDT)
From: maprath@prairienet.org (Mark A. Prather)
To: qrp-l@Lehigh.EDU
Subject: [24282] Windom antennas???
Message-ID: <199708040346.WAA16676@firefly.prairienet.org>

Hello to the list!

I am working toward getting back on the HF bands after several
years of VHF/UHF only. Of course, I am planning to run QRP CW!
I have a 38 Special on order.

I am looking for reports or any comments that anyone may have
regarding the use of Windom type antennas. I have looked at the
ads for the Carolina Windoms. I should mention that I want a
decent, general "all-band" type antenna.

I would appreciate any and all comments and observations!

Please reply direct...

Thanks!

73, Mark

--
* Mark A. Prather - WB9HFK   * maprath@prairienet.org *
* QRP ARCI #9472 - QRP-L #1159 * mprather@halcomm.com   *

Date: Mon, 4 Aug 1997 00:23:30 -0400 (EDT)
From: MNHopkins@aol.com
To: QRP-L@Lehigh.EDU
Subject: [24283] If 10-10 was QRT, no loss
Message-ID: <970804002329_379759624@emout04.mail.aol.com>

Back in '77 when I was a new ham and old rigs were not in style, I found a
modulator for my Novice Eico 720 and set about earning a 10-10 number, but I
don't tell folks what it is.

When I asked them to endorse my certificate for all AM phone, they refused.

That was is marked contrast to 6 Meter' s Arizona Cactus Patch, whose officials were glad to mark my paper as first to qualify on CW only.
Moreover, the 6 meter organization, SMIRK, has always been helpful to CW, while 10-10 was, and is, a bunch of SSB types entoumbed with commercial equipment.

The fellow who said 10-10 menbers would not talk to him is lucky -- he should trim his final coil and QSY up to 50MC where the old time hams are.

flaming AB5l, G-QRP #669, SMIRK #4400, 10-10 not worth remembering.

Date: Mon, 4 Aug 1997 00:22:20 -0500 (CDT)
From: Raventhorne <jelder@ix.netcom.com>
To: qrp-l@Lehigh.EDU
Subject: [24284] Re: Junk Mail
Message-ID: <2.2.16.19970803220612.2f277ff4@popd.ix.netcom.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>> At 10:15 AM 8/2/1997 +0100, Chuck Adams wrote:
>>
>> >Glad that people are liking the certificates. Took me some time
>> >to get the process automated the way I wanted it. Fairly expensive
>> >process to do 380 certificates so asking $1 contribution where people
>> >can afford it. It determines whether there will be repeat business.
>>
>> Although I didn't participate in the fox hunt, here's my $.02 worth:
>>
>> I hate spending 0.32 to send somebody 1.00. How about designating a QRP
>> "charity" to receive the extra if people send you more than a buck?
>>
>If you've been around this list very long, you know that Chuck spends a
>lot of his own money for us...he pays for all the Fox Hunt prizes
>himself. Spend the 32 cents and send the buck.

Ah, you misunderstand me! I'm not cheap. I'd be more than willing to fork over one buck. It just seems inefficient to spend thirty two cents to send the buck. If I sent $3.20, the postal overhead would only be 10%, and if Chuck designated a QRP charity for the leftovers, I'd be happy to have supported both the fox hunting and the hobby in general.

I interpreted Chuck's invite to be for those who received certificates, but I'll be more than happy to contribute, EVEN THOUGH I DIDN'T FOX HUNT. Do I find his address on the back of QRPQ or was it in the original post? I'm looking at finding a new QTH, away from noisy power lines, so maybe I'll be

able to play next winter. I'd like to support the sport.

72,

John

@~~~
@ John Elder, Ko6TS
@ PHROG (Pagan Ham Radio Operators' Guild)
@ Box 232, El Segundo, CA 90245
@ Does a psychologist eat his Jung? How does his inner child feel about this?

Date: Mon, 4 Aug 1997 00:22:55 -0500 (CDT)
From: Raventhorne <jelder@ix.netcom.com>
To: mulveyr@frontiernet.net, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [24285] Re: advice - please, enough
Message-ID: <2.2.16.19970803220639.347fa0f6@popd.ix.netcom.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 07:20 PM 8/2/1997 -0400, Richard Mulvey wrote:
>>
>> Talk about being full of ones' self - I am a member of the League (big
>> deal) - and I
>> still don't have any respect for an organization who is only in for the
>> profit... Tell
>> me how they can justify a 33+ increase in their dues every couple of
>> years... Because
>> of printing costs...
>
>
>   As someone in the printing business, I can tell you that the cost of
>paper *alone* justifies the price increases. Our paper costs have gone
>up over 60% in the past two years, due to a variety of factors. Any
>organization that acts as a publishing house is having to increase
>their prices just to remain at the same level.

Reality Check (outside ham community): American Psychological Association has raised journal prices by 30 to 50 percent in the last year!!!

72,

John

@~~~
@ John Elder, Ko6TS
@ PHROG (Pagan Ham Radio Operators' Guild)
@ Box 232, El Segundo, CA 90245
@ Does a psychologist eat his Jung? How does his inner child feel about this?

Date: Mon, 4 Aug 1997 01:26:39 -0400
From: maccary@on-ramp.ior.com
To: qrp-l@Lehigh.EDU
Subject: [24286] More steel rails
Message-ID: <199708040526.BAA85475@nss2.CC.Lehigh.EDU>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Cameron C.R. Bailey wrote:
I went to the tracks today to get
a closer look. I found that the
rails are in fact welded together.
Years back when I was a roaming
youth (age 8 - 10), I seem to think
that the rails they were bonded together with
a heavy braided steel wire.
So, at least they are electrically together.

Not only are they electrically connected, they pick up lots of stuff besides the signal data the RR company puts on them. Telluric currents and the natural earth resonance (Schumann resonance) are two sources of ELF noise that may appear on railroad tracks. Telluric signals may vary diurnally or at higher rates depending on the interaction of the solar wind on the ionosphere. The Schumann resonances start at about 8 Hz and produce an annoying beat with the current chopper used in the resistivity logging of oil wells. I found it impossible to do a noise-free resistivity survey of an oil well in Ohio due to the proximity of an abandoned rail line, and we used really tight filtering on our circuits.

Using a RR track as an antenna sounds like a bad idea.

Mac

LAWRENCE MAC CARY --- A Subscriber at Internet On-Ramp, Inc.

Date: Mon, 4 Aug 1997 01:11:55 -0500 (CDT)
From: Raventhorne <jelder@ix.netcom.com>
To: sbralr@worldnet.att.net, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [24287] Re: 10 Meters is Open
Message-ID: <2.2.16.19970803225541.365f6950@popd.ix.netcom.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 11:23 PM 8/2/1997 -0400, Steve & Anne Ray wrote:
>I just finished a fb QSO with a NJ station, followed by a QSO in
>Connecticut and finally Vermont on 10 Meters tonight. Running 5 W to my
>HW-101. The amazing thing is this was at 10:30 PM local time. I heard
>plenty of East Coast Stations calling CQ Contest for the 10-10 Contest so
>the band is starting to open up. Yet 15 M seemed dead. Lets all get on 10
>and 15 Meters and see what happening.
>
>I also heard several QRP beacon stations again all on the East Coast this
>evening.
>
>Most of the stations I worked were amazed I was QRP.
>
>Just wanted to pass the word conditions are improving.

Better F layer, or a nice Es opening?

72,

John

@~~~
@ John Elder, Ko6TS
@ PHROG (Pagan Ham Radio Operators' Guild)
@ Box 232, El Segundo, CA 90245
@ Does a psychologist eat his Jung? How does his inner child feel about this?

Date: Mon, 4 Aug 1997 01:24:10 -0500 (CDT)
From: "Matt Wright, AE4JM" <cnw@HiWAAY.net>

To: William R Colbert <af852@rgfn.epcc.Edu>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [24288] Re: surprise!
Message-ID: <Pine.OSF.3.94.970804012326.11278C-100000@fly.HiWAAY.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Me too, it was also for the FOX HUNT! Great certificate. Sorry Gang, between jobs and other stuff I just don't have as much time for radio and the computer. Matt, AE4JM

Date: Mon, 4 Aug 1997 00:28:45 -0700
From: talljazz@teleport.com (Dan Presley)
To: qrp-l@Lehigh.EDU
Subject: [24289] Bumble bee from Or Mts.
Message-ID: <v01530507b00b25088939@[206.163.125.125]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

A little late, but here's my adventures from a 2000 ft. ridge high above the McKenzie river valley in central Oregon. First, my thanks to Russ Carpenter for the info on the site-it's a spectacular vista overlooking a series of ridges and valleys facing east for about a 30 mile view. I believe that Russ & I were about line of site about 40-50 miles apart. I allowed myself (or so I thought) about 1 hour to erect an antenna & prepare the gear for the contest, yet 10:00 AM (PDT time) came & went with me still trying to untangle the mess of guy lines & antenna wire from every stick and rock within 100 yards. Lesson #1-NEVER PUT GUY & ANTENNA WIRES ON THE SAME ROLL! I should know better, but there you are!

I used my SLV pole as a support for an inverted V fed with ladder line, and this seemed to be going together fine until I erected the pole with center insulator attached, and a 'fan' dipole for 40 & 20-one leg of the 40 M wire promptly snapped off the center insulator!Already being 1/2 hr behind, I yanked off the other leg in disgust, and stuck to 20-maybe with open line I could QSY to 15 & retune, I thought. BTW, the SLV worked pretty well for a lightweight center support, though the center insulator did bend the top part fairly well-next time lighter center.One thing for end supports-small aluminum tent pegs work very well. Another nice discovery is that my "Plano" (brand name) field box that I pack most of my gear in works very well as a stand for the Sierra-just flip the handle over all the way, and it's like a flip-up bail to tilt the radio up about 30 Degrees.

Gear was Sierra, St.Louis tuner, and SST-20 to V fed with ladder line

and whiterock key. I am now a full believer in Russ Carpenters preaching about using "terrain for gain"- I was on a ridge with ground sloping away to the east, and with the inverted V was able to hear many ,many signals from all over that I never heard prior. The theory is all laid out in Les Moxon's antenna book (RSGB) and Russ has sites modeled on a very slick terrain map with lobes of radiation and also signal strength for many parts of the US from a fixed location. Next time you go afield, give serious thought to the terrain and how it enhances signals.
     I had a great time, learned a lot, and almost got a shot of a big fat bumble bee buzzing around the SST-keep your eyes on the ARS page for a "Bee mascot"
Dan N7CQR

Date: Mon, 4 Aug 1997 08:04:31 -0400
From: Jim_Cadorett@3com.com
To: qrp-l@Lehigh.EDU
Subject: [24290] Re: SST Mods
Message-ID: <852564E9.00421C69.00@hqoutbound.ops.3com.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii

Thanks to everone who responded with a list of SST mods.

Date: Mon, 04 Aug 1997 08:37:49 EDT
From: kt3a@juno.com
To: prvalko@Oakland.edu
Cc: qrp-l@Lehigh.EDU
Subject: [24291] Re: 10-10 club?
Message-ID: <19970805.081946.5327.7.kt3a@juno.com>

10 meters is still one of my favorites.

It is the ideal QRP band when the spots
are hot! (ObQRP) Don't let the 10-10 craze put
you out. I often feel I need to get a
number just so I don't have to put up with
it. I think though that you need to collect
at least 10 numbers BEFORE you can apply for
one. So, you would do well to just tell them
that hey, you are my 10th 10-10 number and now
I can send for mine!

I also find that now that Sporadic E is opening
the band, that a lot of local hangouts on 10
being interrupted by "DX". Theses guys have
been talking across town and now some nut a
few states away wants to chat with us on "our"
frequency. Sad......

Let's see how many 10m QRP CW stations are out there.
We'll soon be working the world with 28 MHz crystal
oscillators!

Cameron C.R. Bailey <><
Amateur Radio, KT3A
kt3a@juno.com
Mount Wolf, Pennsylvania

Date: Mon, 4 Aug 1997 08:41:32 -0400 (EDT)
From: ARDUJENSKI@aol.com
To: qrp-l@Lehigh.EDU
Subject: [24292] THANKS FER ANTENNA HELP
Message-ID: <970804084131_379779761@emout16.mail.aol.com>

I want to thank all of you who have responded to my many antenna questions.
The important lesson learned thru all this is that chosing the BEST ANTENNA
for your location involves a lot of issues. Physical limitations, ground
considerations, whether you are working multiple or single bands, and just as
important what the XYL will allow. Also, they don't always work like the book
sometimes leads you to believe.

In most cases hams like me try to find the "ultimate antenna" without knowing
fully the technical aspects involved. Characteristics such as impedence,
resistance and ground conditions can't be guessed at if you wnat the "best"
design possible. Just as it is just as important to know the antenna
characteristics to know what kind of TUNER is necessary for a specific
antenna configuaration.

I do want to recommend to you folks that are going thru the same learning curves I am going thru to read Orrs book ALL ABOUT VERTICAL ANTENNAS. It helps give you a good understanding of overall antenna issues.

Agian thanks to all the good info from the real EXPERTS in the group...you have been a great help...Alan KB7MBI

Date: Mon, 04 Aug 97 12:49:39
From: "KA5T Larry Wise" <lewise@inetport.com>
To: "qrp" <qrp-l@Lehigh.EDU>
Subject: [24293] Glowbugs list addr
Message-ID: <199708041244.HAA25110@admin.inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Several have asked that I post the address..... Here it is:

majordomo@www.atl.org

Thats .org .org .org .org .org

not .com......:-)

You'd think I'd learn,.... but no.....

Larry KA5T lewise@inetport.com Georgetown, Texas

Date: Mon, 4 Aug 1997 09:34:55 -0400 (EDT)
From: ARDUJENSKI@aol.com
To: qrp-l@Lehigh.EDU
Subject: [24294] LIGHTWEIGHT TOWER
Message-ID: <970804093455_748720690@emout17.mail.aol.com>

LIGHTWEIGHT TOWER: I have built a "portable" tower for those wanting to get a vertical wire greater than 20 feet (SLV). Not as portable as the fishing rod but may be great for camping or FD. This is set up for a 30-36 ft unit depending upon whether you use 5' or 6' sections. It is using small size PVC

(1") which is tensioned.

At the 10' (or12) ft and the 20 (or 24) ft point are four 1" PVC 18" long cross members. The tension cords or wires are run rom the apex to the upper and lower cross members and then to the base of the PVC pipe where a turnbuckle is installed on each tension member. There are 4 of these running down. You adjust the tension so the mast is errect. It is fairly sturdy. I am working on the design to incorporate 1-1/4" PVC as the base section (lower 10 feet) so you can slip it over a post for its support.

You can make it with 3/4" but the tesioning is a little more touchy.

This is surprisingly sturdy. It can be guyed up or put over a steel post. I use 800 pound small diameter nylon cord for my tensioners.

I call it the "POLISH MISSLE" (Dujenski is the rest of my handle)...Alan KB7MBI

Date: Sun, 3 Aug 1997 09:09:36 -0500
From: "ukii" <ukii@megsinet.net>
To: <qrp-l@Lehigh.EDU>
Subject: [24295] 10-10, ok,thats it!
Message-ID: <m0wvNqQ-003u29C@megsinet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hello Gang...
Ok,I have to interject on this thread!
I am a 1010 member and this thread really upsets me.
Yes,there are "good'n'bad" in every group but I cant honestly believe that someone was told to LEAVE the band , TWICE because he didn't have a number!
*
Yes,there are times during a brief opening when they are like sharks on a feeding frenzy, exchanging those numbers. But think about the rare dx country that pops up (for you dxers), are you not also "shark-like"?
No number? Leave! Well, QRP? Sorry,QRM!... sound familiar???
This is a hobby,and a great one at that. There are so many facets to it that everyone has something of particular interest.
Builders,Packeteers,
Crow Chasers (40mtr qro op's!) QRPers etc... Can you imagine the chaos if we
were left with only one mode and band?
1010ers should be given some credit, as far as I am concerned, because they

DO operate vigilantly on 10mtrs, even when the band seems dead. A large chunk of the spectrum, unoccupied would be a certain invitation to those outta bander CB guys... Also,the way the FCC is selling off the PUBLIC AIRWAVES**, 10 would most likely have been chopped up and sold as prime virgin territory.
Most of the 1010ers I have met have been polite! Yes,in the middle of a contest
when there is a brief opening,an explanation of what 1010 is would probably be out of the question for the real contesters, but I will bet a dollar to a donut
that if you ask them what its all about during noncontest times,they would be glad to help you! Gotta remember,the more members they have,the more numbers they (we) can collect!
Anyway,I apologize for those who were offended by some members of 1010 and hope you dont let that "spoil the barrel"
Honestly, I got my 1010 number because I thought they (the 1010ers) wouldn't talk to me if I didn't have one,,, I was wrong...
Ok,off my soapbox (before I sick my gang on your gang) (<--check dat!)
Sorry if I offended anyone here,it was NOT my intention to do so!
Best 73 de john
n9ukx
WINNER Spring 1997 1010 CW contest,QRP Category!!!!!!

* I have heard 1010ers tell guys who were CQing on 28.345 to qsy.
** Ya,another peeve, how the heck can the government sell something that is not theirs? They call it PUBLIC airwaves,but have any of you received
your royalty check from any of the sales? I haven't! As far as I am concerned
"if its in the air and I can receive it,its free for the taking!"

Date: Mon, 4 Aug 1997 10:17:05 -0500 (EST)
From: "James C. Owen, III" <owen@piper.eeel.nist.gov>
To: qrp-l@Lehigh.EDU
Subject: [24296] RE: 10-10 club?
Message-ID: <37026.owen@piper.eeel.nist.gov>

In message Sun, 03 Aug 1997 18:00:57 -0700,
  David Smith <qrpdave@ocsnet.net> writes:

> Dear friends--
> Frankly, I don't like having to write this posting, but I have had
> three guys in a row on 10 Meters ask me if I was a member of the 10-10
> club. When I said "no," they refused to talk to me any further.   What is
> the 10-10 club and how does one join?

I think that you just happened to run into the 10-10 contest and like field day or any other contest they wouldn't have a QSO with someone not in the contest. Still they should have told you this and at least given you their number. The 10-10 club started in the very late 50's or early 60's as I qualified for a number about 1960 and could have gotten a number under 1000 but I didn't send in for it at that time. I'm now # 10979 still a low one by todays standards. You need to work and get numbers from 10 ten-ten members and then apply. I don't have the address handy but if anyone needs it I'll be glad to look it up and I think that it's also available on the ARRL WEB site. I'll be glad to work anyone on 10m SSB or CW and give my number for membership. 72/73 Jim K4CGY 10-10 #10979 qrp-l #72

Date: Mon, 4 Aug 1997 09:18:55 -0500 (CDT)
From: "Donald R. Allen" <drallen@prairienet.org>
To: David Smith <qrpdave@ocsnet.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [24297] Re: Heathkit Model ????
Message-ID: <Pine.3.89.9708040840.A17967-0100000@firefly.prairienet.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 3 Aug 1997, David Smith wrote:

> Dear friends-
>   I heard that late in Heathkit's amateur radio existence, they put
> out a completely transistorized transceiver. I met a guy who has one and he
> loves it. This is not strictly QRP, but I tho't I'd check and see if anyone
> knew of it. I think the model was 5400 and it was an all-band transceiver.
> Does anyone have a clue as to the proper model number? I'd sure appreciate
> it. Thanks, guys, I knew you'd come through in apple pie fashion.
> QRPDave@ocsnet.net
>

Hi Dave,

Yes, Heath made a number of full solid state transceivers. Of course, the HW-7 (1972 thru 1975), HW-8 (1976 thru 1983), and HW-9 (1984 thru 1991) QRP transceivers were fully solid state, as was the HW-99 (1985 thru 1987). Also, Heath manufactured the SB-104 (1974 thru 1977), SB-104A (1977 thru 1982) and its lower cost (sans digital display) brethren -- the HW-104 (1975 thru 1977). The SB-104, SB-104A, and HW-104 were SSB/CW 100 watt transceivers. Later, came their expensive ($2,795) SS-9000 (1982 thru 1984). This was a fully assembled unit and also was a SSB/CW 100 watt fully solid state transceiver. The HW-5400 was the

last big transceiver Heath manufactured. It was made only in 1983 and 1984; it was a kit, SSB/CW 100 watts, and required about 100 hours to build. Heath also "marketed" in 1988 thru 1991 the SB-1400, a SSB/CW 100 watt transeiver, but it was actually manufactured by Yaesu. It was essentially a FT-747GX.

The SS-9000 project supposedly cost Heath around $3,000,000 and was a marketing debacle. Most likely, it was one of the final nails in the Heath coffin. It could not compete with the Japanese rigs at its selling price. Although the SB-104A was a pretty decent transceiver, the original SB-104 was a major problem. Heath's fully 100 watt SSB/CW solid state transceivers were never as popular (or as profitable for the company) as their fully tube or hybrid-designed transceivers.

Hope this helps!

Vy 73,
Don Allen W9CW
Urbana, IL

Date: Mon, 4 Aug 1997 11:08:47 -0400 (EDT)
From: Vincent Ferme <an327@freenet.toronto.on.ca>
To: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [24298] Re: QRP(p) via ALC
Message-ID: <Pine.3.89.9708041136.A9898-0100000@sheppard>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello QRPers,

I have a question regarding QRPp via ALC. When using this method with a 100W/20A commercial transceiver, is the current requirement reduced by the same proportion? If not, What reduction were you able to obtain?

Thank you for your attention.

Vince, VE3VFN.

P.S. Still looking for a copy of "Joy of QRP" by Ade Weiss.

Date: Mon, 04 Aug 1997 08:07:39 -0700
From: Vic Rosenthal <rakefet@rakefet.com>
To: qrp-l@Lehigh.EDU
Subject: [24299] 10 meters? Let's use CW!
Message-ID: <33E5F03B.3676@rakefet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

With all the discussion about the 10-10 guys on SSB, I suggest that we start plowing up the fallow area of 10 meters -- the CW band. I haven't had a 10-meter CW QSO in literally years. Every time I listen I hear more and more illegal SSB, AM and other garbage there.

This is a pity, because this is probably THE MOST EFFECTIVE QRP DX BAND/MODE! When the sunspots were high, I routinely worked all over the world with QRP and simple antennas, including working DXpeditions through pileups. The skip on 10 seems 'focussed' on a smaller geographicical area at any given time (e.g., the DX will hear the W6's but not the W5's and vice versa), and signal strength is higher. This gives the little guy a better shot. When you include the (no flames, please) approximately 18 db advantage of CW over SSB, you see that the only limit is activity!

Also, you can easily build or buy a beam cheap -- and put it up at a reasonable height for 10 meters, too.

Let's use this band before --if it isn't too late already-- we lose it by default!

Vic K2VCO

Date: Mon, 4 Aug 1997 11:13:31 -0500 (EST)
From: "James C. Owen, III" <owen@piper.eeel.nist.gov>
To: qrp-l@Lehigh.EDU
Subject: [24300] 10-10 International info
Message-ID: <40413.owen@piper.eeel.nist.gov>

To inform those who may be interested in learning more about the 10-10 club there is a web site that gives all you need to know.
http://www.lehigh.edu/lists/tenten-l/
72/73 Jim K4CGY qrp-l #72

Date: Mon, 04 Aug 1997 10:20:08 -0500
From: "Jeff M. Gold" <jmg@tntech.edu>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [24301] portable paddles/keyer
Message-ID: <33E5F327.3EFA782D@tntech.edu>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Howdi,

for the first time in I don't know how many months, I had time to tinker in the shack. I had two Tick-II keyer kits and an altoid box. My goal was to make a set of portable paddles/keyer with using only parts I had available in my shack.

I first built up the keyer kit. It only took a little bit of time. I built my with the 12 V option and piezo speaker. It fired up fine the first time.

I next needed some paddles to mount on top of the altoids. I looked at my Whitebrook and thought they would make a good model. The problem was getting the correct thickness plastic for the paddles. I had cut up some plastic boxes to experiment. On one of my trips through the house I saw my son eating crackers and cheese. The little snack packs have little red sticks to put the cheese on the crackers. I told him to deliver the stick to the shack as soon as he was finished. Guess what, about the EXACT length and width and only a little stiffer than the Whitebrook.. and red. I then made him eat the only remaining pack of snacks to get my other paddle material (child abuse :*)

I didn't have a block of plastic, so I cut up some wood to use as my center block. This actually made it easier to assemble, I used a small screw on each paddle to attach the end points to the wood.. worked great. for the center post I used a metal standoff. I had to disassemble something to get two small bots for the contacts. Since I didn't have any solder lugs, like Whitebrook uses from the paddle end points to the plug, I directly connected the wire from the Tick II to each bolt and one to the center connector. I even found some feet pads the same size as Whitebrook uses to put on the end of the paddles.

I experimented with two different placements of the center post to get the "feel" of the paddle correct. This is what makes the Whitebrook paddles nice is the type of plastic they use for the paddles and the

center post.

The paddles seem to work very well. I have the pads epoxied to the paddles pieces and had to re-glue one this am. I am using a 9 volt battery inside the Altoids box for power. I have no external connectors. The push button is to the right of the paddles and the Piezo speaker is right above the button. I admitt it isn't a pretty picture, but this is my prototype.

I don't think I like the way the Tick II commands work. I find them to be confusing, but might just need to get use to it. I think if you press the button once it should send the memory message.. this is what I use most.. 99+%. I think to get to the commands you should press and hold the button. I think this is the way some of the other keyers work. I also found I had to send my 3X3 CQ pretty rapidly without much spacing to get it to fit in memory.

72
Jeff, AC4HF

Love this ham stuff

--
Jeff M. Gold, Manager
Academic Computing Support
Tennessee Technological University
(615)372-3979

Date: Mon, 4 Aug 1997 10:35:53 -0500
From: "Claton Cadmus" <aplitech@spacestar.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [24302] Re: Glowbugs list addr
Message-ID: <199708041541.KAA18914@webster.spacestar.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

I thought I'd clarify this a bit.

For those that do not know, the Glowbugs List is for Hams that build =
equipment using tubes(valves). While must of the discussion revolves =
around generally low power tube rigs it is not exclusively QRP. The =
list volume is quite small, perhaps 5 messages a day on average, so it =

would not be an additional burden on your email.

If you would like to join here's how;

Send a message to:

majordomo@www.atl.org

In the body of the message type:

subscribe glowbugs

That will get you hooked up from your current email address.

Should you wish the list to be sent to another address than the one you =
are sending your message from then use this line,

subscribe glowbugs "different@address.here"

Do not include the quotes.

Hope this Helps,

73 de Cla KA0GKC

Date: Mon, 04 Aug 1997 11:20:47
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@Lehigh.EDU
Subject: [24303] Re: More steel rails
Message-ID: <3.0.1.16.19970804112047.10ff110c@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Using a RR track as an antenna sounds like a bad idea.

>LAWRENCE MAC CARY --- A Subscriber at Internet On-Ramp, Inc.

I was wondering about that myself. Seems they would pick up a LOT of noise.
Seeing the the tracks behind my place lead across the street into a paper
mill, I bet the electical noise is something ferce.

But, RR tracks might be a good antenna for hearing "natrual" radio waves
and other VLF stuff. That might be interesting...

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Mon, 4 Aug 1997 18:16:49 +0100
From: Peter Barville <peter@barville.demon.co.uk>
To: QRP-L@Lehigh.EDU
Subject: [24304] PZ1DG
Message-ID: <PLBLVKAB6g5zEw9A@barville.demon.co.uk>
MIME-Version: 1.0

I was delighted to work Mike, PZ1DG, 2-way QRP on 20m a couple of nights ago. He asked for QSL via the buro, but I would really like to collect the card quickly (I'm very nearly up to 100 countries confirmed 2-way QRP) and wondered if anybody can offer an address for him?

Thanks for your help ..
--
72, Peter G3XJS (http://www.barville.demon.co.uk/qrpinfo.htm)

Date: Mon, 4 Aug 97 10:16:57 PDT
From: Paul Erickson <paul1@wizard.ucs.sfu.ca>
To: qrp-l@Lehigh.EDU (qrp)
Subject: [24305] Xfilter in C or Pascal?
Message-ID: <9708041716.AA02489@wizard.ucs.sfu.ca>

Has anyone converted XFILTER.BAS to C or Pascal? Are there any other crystal filter design programs available?

Thanks in advance.

cheers, Paul
VE7CQK
email: paul1@wizard.ucs.sfu.ca

Date: Mon, 4 Aug 1997 14:13:07 -0400 (EDT)

From: G4YND@aol.com
To: qrp-l@Lehigh.EDU
Subject: [24306] Yuasa Gell-Cells...Advice please.
Message-ID: <970804141149_-456640916@emout16.mail.aol.com>

Hi All.

The local Alarm man has given me several 12volt gell-cells, all taken from backup power supplies after four years of trickle-charging.
Is there any way to retore them to useful service? (All function to some degree, but have less than their nominal AHr capacity.).

(Do I recall someone saying, "drill a small hole and top them up with water, using a hypodermic".?)

Any thoughts on these matters would be most welcome.

72,

David. G4YND.

Date: Mon, 4 Aug 1997 11:26:15 -0600 (MDT)
From: "Thomas J. Whalen" <whalen@swcp.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [24307] Railroad info
Message-ID: <Pine.SUN.3.91.970804110401.5556A-100000@kitsune.swcp.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello Fellow QRPers, I have been following the posts on the use of RR tracks for grounds, antennas etc. I have a little knowledge of the RR since I have been a Conductor for 25 years. Years ago the RR's used sectioned rail that is jointed and bonded.Now, most RR are using welded rail that comes in 1/4 mile sections and then is welded together.In either case the rail is connected mechanically and electrically. There is a low voltage on these rails and when the train or car passes over the rail it has a shorting effect, which in turn dispays the blocks(RR traffic light), and activates all the RR crossing lights and x-bucks(big wooden or fiberglass arms). The mainline rails are not really grounded since they sit on oak ties. The RR use a dc system and so the rails for most part sort float above ground. One could use one rail for a ground or a "snake" type ant. in theory. BUT, for liability reasons I would be very careful as has been noted on these posts. Stay away from currently used rail. If you find an old abandoned spur and want to connect a wire, one would probably be ok. One thing to look for when connecting to rail, is

the "bond wires". If you dont see the copper wire(#8 0 #10) connecting at the joints, you may have a sorry connection. Metal to metal after so many years makes for a bad ground or rf connnection. One thing that makes us RR's nervous is, people close to the track. Had a kid try to play chicken last week with the train and almost give me a heart attack! He did make it off the rail, and Im glad, but sure ruined my day at work. I did tie into old railspur one time when I was on 75m mobile and it did make a difference in the signals. BOTTOM LINE: Rule 1: Stay away from Railroad that is still being used. It IS a dangerous place to be, I know first hand from experience.72, and " Happy Rails To You"! Tom WB5QYT

Date: Mon, 04 Aug 1997 11:23:46 -0700
From: laura halliday <ve7ldh@direct.ca>
To: qrp-l@Lehigh.EDU
Subject: [24308] Re: More steel rails
Message-ID: <33E61E32.1DCACDAF@direct.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The other assumption in all of this is that local trains are diesels - electric trains often use the rails as their ground return, and the thought of getting anywere near 25000 volts at several hundred amps scares hell out of me.

B.C. Rail (the local company) is one of two railway companies in the world who run diesel (their main line), electric (Tumbler Ridge) and steam trains (Royal Hudson) in scheduled service.

Many of the buses around Vancouver are electric too. There are rumblings of trams and things to supplement our silly excuse for a metro, but the NIMBY forces (Not In My Back Yard) are making it difficult.
--
Laura Halliday "C'est une femme mutine, assez elegante,
ve7ldh@direct.ca grave et legere, ayant le sens
Grid: CN89mg du confort et du plaisir en tout."
- C. Deneuve

Date: Mon, 04 Aug 1997 15:02:04 -0400
From: Ed Tanton <n4xy@bellsouth.net>

To: boatanchors@theporch.com
Cc: homebrew@qsl.net, DRAKE-L@fablotz.min.net, QRP-L Reflector <qrp-l@Lehigh.EDU>,
mgs@avana.net
Subject: [24309] Post Office Limits pkgs/visit to 4
Message-ID: <3.0.1.32.19970804150204.00a30a90@mail.atl.bellsouth.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello All... I just heard on CNN that the Postal Service is limiting the
number of packages you can send ** per visit ** to 4. Therefore, take a
friend or relative with you if you have more than that to ship. Gives you
somebody to talk to while standing in that long line too!!!
72/73

____
Ed Tanton   N4XY   EMAIL: n4xy@bellsouth.net
189 Pioneer Trail
Marietta, GA 30068-3466   TEL: (770)579-3933 V/MBX/FAX
____
QRP-ARCI #7663   G-QRP #6779   OK-QRP #172   QRP-L #758
AdvRC #140   NORCAL #1779   NCDXF   SEDXC

Life Member: ARRL   AMSAT   INDEXA   QCWA
____

INTERESTS: DX   QRP   BoatAnchors Test Equipment Photography
CW: 99.9%   QRP: 95-100% (Mood swings!)   Mercury Paddle #0214
~~~~~~
"Think you can, think you can't: either way you're right!"   Henry Ford
~~~~~~

Date: Mon, 04 Aug 1997 12:49:56 -0600
From: Steve Galchutt <n0tu@webaccess.net>
To: "\"Low Power Amateur Radio Discussion\"" <qrp-l@Lehigh.EDU>
Subject: [24310] Info on Drake List???
Message-ID: <33E62454.47C5@webaccess.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Anyone know if there is a list server for Drake gear?? If so the
particulars please.
.....................................Steve > n0tu . .
email:N0TU@webaccess.net
homepage <http://www.webaccess.net/~S&P>

Date: Mon, 04 Aug 1997 13:18:58 -0700
From: Ed Loranger <we6w@qsl.net>
To: Jim W7LS <w7ls@brigadoon.com>
Cc: Homebrew Amateur Radio Discussion <homebrew@qsl.net>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [24311] Re: 1000 Miles/watt awards
Message-ID: <33E63932.3DD5@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Homebrew and QRP-L folks, I'm done determining
the ouptut power of my Pixie2. Many thanks to all
who sent excellent suggestions via email. I thank
each and every one for the comments. I have no o-scope
so am stuck with the voltage measurement. Now that I've
researched the internal design of the 8471A Detector, I
realize the measurements were BOGUS. However, the output
power of the pixie2 was still low. Read on.....

The detector is the HP8471A (Correct Part Number), which
incorporates a 'Point Contact diode'.

Here's what I found out last night.

1. The 8471A has an internal 50 ohm load. So I didn't
need to load the pixie2.

2. I had used a 100 pF cap on the collector of Q2 instead
of the .1uF originally designed. Big mistake -- That's where
the power loss was!!!!!!!!

So Here's What I got:

Original transmission was at 69.7 mW (100 pF coupling cap)
Measured 1.32 Volts out of Pixie2 with xtal detector.
Peak Power=(1.32/.707)^2/50=69.7 mW

So 637 Miles/.0697=9139.17 Miles/Watt (I really Believe this)

PIXIE Coupling Cap changed BACK To ORIGINAL .1 uF:
(Broadcast noise Bad again)
Measured 2.52 Volts out of Pixie2 with xtal detector.

Peak Power=(2.52/.707)^2/50=254 mW

This all on 7.04 MHz Xtal.

On 3.579 and 3.6864 I got 2.85 V or 324 mW.

Thanks one and all.
-Ed Loranger
--
72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)
HW-8;OHR-100, Pixie2, Johnson Viking II w/VFO.
QRP-L#1068/Norcal#2227/ARS#275/ARCI#9397 grid CM88ok
mailto:we6w@qsl.net http://www.qsl.net/we6w

Date: Mon, 04 Aug 1997 15:27:27 EDT
From: kd4kzq@juno.com (Jim A Norsworthy)
To: qrp-l@Lehigh.EDU
Subject: [24312] FL Trip
Message-ID: <19970804.142433.7375.1.kd4kzq@juno.com>

Hi Gang,

Well I've made it to Advanced and I'm going to Panama City Beach,FL on the 7th of August. For those who aren't familiar with this QTH this is the Redneck Riveira of the South, bad spelling es I'll get a lot of flack on this one. Anyway I'm taking the QRP+ and the SLV(unmodified) and some other portable antennas so I hope to be fairly active. I generally get on down there in the mornings abt 7/8 CDT but can be pretty flexible in the evenings too. I have bought a SWL/multi-band antenna that Rat Shak is closing out that I want to play with, it's a 5 conductor flat rotor cable made into a dipole and the longest wire is 65' 9'' long. I think that I'll have to add a couple feet to it for 30M and trim the other 3 conductors but will have all bands but 10M at resonance.

If you want to try a sked let me know before Thursday abt noon CDT as I will be pulling the plug on the list that afternoon. BTW do I need to go into 'digest' or just suspend until I return. All you list guru's out there please make a suggestion and then tell me how to do either.

TNX es 72 de Jim KD4KZQ/AA

Date: Mon, 4 Aug 1997 15:35:43 -0400 (EDT)
From: ARDUJENSKI@aol.com
To: qrp-l@Lehigh.EDU
Subject: [24313] 5/8" HOLE PUNCH
Message-ID: <970804153254_-1809056329@emout03.mail.aol.com>

There was a discussion a few weeks ago regarding making 5/8" holes in thin metal boxes for coax connectors. I found a source for a hand punch made by GREENLEE TEXTRON CO. Most major electrical supply houses have this tool (or can get it). You drill a 1/4" pilot only. Cost is about $24. Part #02409.

For those in the Seattle area you can contact ALL-PHASE or GRAYBAR or STUSSER ELECTRIC.

alan KB7MBI

End of QRP-L Digest 808
****